CLAIMS

WHAT IS CLAIMED IS:

- 1. A method for the treatment of cancer comprising administering to a patient in need thereof an immunogenic composition capable of inducing active immunity against at least one angiogenesis-related antigen.
- 2. The method according to claim 1, wherein said immunogenic composition comprises an angiogenesis-related antigenic polypeptide.
- 3. The method according to claim 1, wherein said immunogenic composition comprises a nucleic acid encoding an angiogenesis-related antigenic polypeptide.
- 4. The method according to claim 1, wherein said immunogenic composition comprises a plurality of antigen presenting cells presenting at least one angiogenesis-related antigen on the surface.
- 5. The method of claim 4, wherein said antigen presenting cells are pulsed with at least one angiogenesis-related antigen peptide.
- 6. The method of claim 4, wherein said antigen presenting cells are transfected with mRNA encoding at least one angiogenesis related antigen.
- 7. The method of claim 4, wherein said antigen presenting cells are dendritic cells.

- 8. The method of claim 1 wherein said angiogenesis related antigen is selected from the group consisting of Id1, Id3, VEGF, VEGFR-2, angiopoietin and Tie-2.
- The method of claim 6, wherein said antigen presenting cells are further transfected with mRNA encoding at least one tumor antigen.
- 10. A composition for the treatment or prevention of cancer comprising antigen presenting cells presenting at least one angiogenesis-related antigen.
- 11. The composition of claim 10, wherein said angiogenesisrelated antigen is selected from the group consisting of Id1, Id3, VEGF, VEGFR-2, angiopoietin and Tie-2.
- 12. The composition of claim 10, wherein said antigen presenting cells are dendritic cells.
- 13. The composition of claim 10, wherein said antigen presenting cells are transfected with mRNA encoding at least one angiogenesis-related antigen.
- 14. The composition of claim 10, wherein said antigen presenting cells also present at least one tumor antigen.
- 15. The composition of claim 14, wherein said antigen presenting cells are transfected with mRNA encoding at least one tumor antigen.
- 16. A method of treating cancer comprising the steps of:

- obtaining antigen presenting cells from a cancer patient
- ii. introducing into those cells in vitro, mRNA encoding an angiogenesis-related antigen and mRNA encoding a tumor antigen, thereby producing transfected antigen presenting cells and
- iii. administering said transfected antigen presenting cells to said patient.
- 17. A method of treating cancer comprising the steps of:
 - obtaining antigen presenting cells from a cancer patient;
 - ii. transfecting the antigen presenting cells in vitro, with mRNA encoding an angiogenesis-related antigen and mRNA encoding a tumor antigen;
 - iii. contacting the transfected antigen presenting cells of step ii with T-lymphocytes to generate immune cells; and
 - iv. administering the immune cells to said cancer patient.
- 18. The method according to claim 2 wherein said immunogenic composition further comprises a tumor antigen.